



Arizona Department of Transportation

ROADWAY ENGINEERING GROUP

MEMORANDUM

To: All Users of the Construction Standard

Drawings- C-Standards

Date: July 19, 2001

From: John L. Louis

Assistant State Engineer

Roadway Engineering Group

Subject: C-Standards Revisions

Several revisions to the Construction Standard Drawings have been made and are included in a supplemental packet to be inserted into the April 2000 Construction Standard Drawings. Significant revisions included in the update are:

1. Standard C-15.92 Catch Basin frame has been modified to accept a revised Standard C-15.50 bicycle safe grate as an alternate for locations where bicycle traffic is allowed.
2. Guard rail height to top of rail has been revised from 27" to 28". This necessitates a corresponding 1" increase in the height of the thrie beam transition to concrete barrier.
3. Welding for catch basin frames and grates will conform to the requirements of Standard Specification 604-3.06 for structural steel.
4. PCCP joint details for transverse and longitudinal construction joints have been added to conform to current ADOT materials design practice. Weakened plane joints are revised to show only a single saw cut.
5. Standard Right of Way Markers have added a rebar to make them magnetically detectable. Brass caps require stamping with the surveyor's registration number to comply with state board regulations.

A listing of all the revised standards with a brief description of the revisions is shown on the following page.

Design personnel should review the revised drawings and incorporate the updates into their design plans as appropriate. Construction personnel should review the drawings for possible implementation with ongoing construction. Please arrange for additional copies for all users within your Group or District. Additional copies (8 1/2"x 11" or 11"x 17") may be obtained from Engineering Records at 602-712-8216.

An updated 1A sheet (List of Standards) is available at the Roadway Support Desk at 602-712-8667 or 8491.

Questions regarding the revisions may be directed to Tom Scheck (602-712-8674), Bob Trujillo (602-712-7383) or Terry Otterness (602-712-4285).

JLL/THO

C:	
Roadway Engineering Group	Regional Traffic Engineers (4)
Traffic Group	Materials Group
Valley Freeway Group	Local Government Section
Statewide Project Management Group	Engineering Consultant Services
Districts (10)	Central Maintenance Group
FHWA	District Permits (9)
Bridge Group	Contracts and Specifications Section
Construction Group	Engineering Records

Standard -- Revision

6.10 - eliminate old Type B turnout
7.01 - Sh. 1- PCCP Joint Updates
10.01,10.02- revised general note
10.03 - Sh. 1 - complete update of drawing
10.03 - Sh. 2 – deleted
10.06 - update transition
10.20, 10.21, 10.22 2 Sh.-raise guard rail height
10.23 - deleted
10.24 - update thrie beam transition
10.28 2 Sh.- clarify posts, add note for application
10.29 2 Sh – clarify posts, increase guard rail height
10.30,10.31- raise thrie beam transition, add special block
10.32 – raise thrie beam, change sleeve requirement
10.45 – raise guard rail height
10.62, 10.63 – revised general note 8
10.65 – delete previous note 4
10.70, 10.71, 10.72, 10.73 (2 sh. each) – raise thrie beam 1”, revise sleeve
13.60, 13.75, 15.10, 15.20, 15.40- new welding specification
15.50 – revise grate dimensions
15.80, 15.81, 15.90, 15.91 (2 sh) – new welding specification
15.92 – revised catch basin frame
21.10 – add rebar for magnetic detection

21.20 – add notes for surveyor ID stamp

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